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# Rational Green Threads



# Rational Cross-Product Green Threads

## Definition

- Workflow across a set of products to solve a complex customer problem

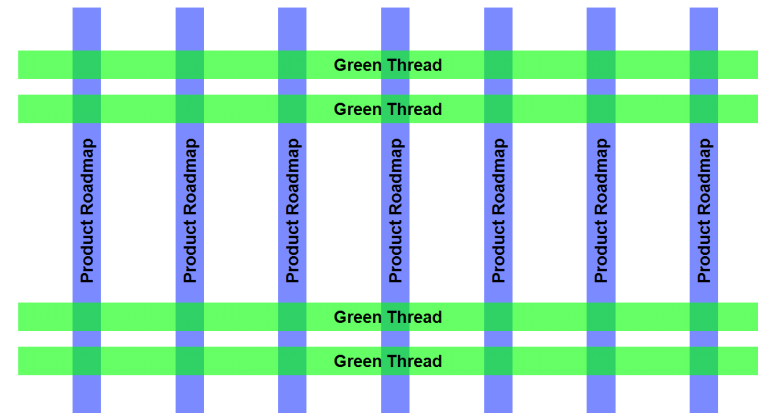
## Goals

- Move beyond point product thinking
- Deliver solutions that solve real-world customer problems
- Identify and prioritize key issues and roadblocks to product development
- Provide guidance and recommendations for customers to use

## Organization

- Collaborative effort with product and offering management, marketing, engineering, and field teams

## From Product-Centric to Solution-Centric



## Disclaimer

- Though this represents our current direction, these plans are subject to change
- Nothing in this presentation is intended to create any representations or warranties
- IBM Rational warranties are contained in the applicable license agreements



# The market is evolving .... The 5 C's



**Nomadic, non-political ability to work on anything from anywhere without hindrance from your tools.**



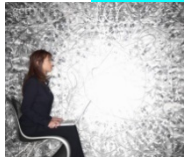
**"Continuous"  
Development**



**Self-managing, self-documenting ability to see and understand information from all of your processes.**



**Process-aware  
Collaboration**



**Lifecycle process implementation, enforcement and auditing across tools within an integrated database.**



**Extensible  
Team-Centric  
Platform**



**Complete two-way traceability of artifacts across the software development lifecycle.**



**Pervasive  
Transparency**



**Mutually complementary and transparent development, maintaining and support of our products**



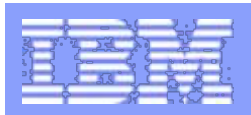
**Community-based  
Commercial  
Development**



# What is Jazz?

## Innovation

A major investment by IBM to create a scalable, extensible team collaboration platform for seamlessly integrating tasks across the software lifecycle



## Tooling the Eclipse Way

A commercial project led by the IBM team that brought you the Eclipse Platform, tooling the agile practices of this proven open collaborative model



## Innovative Software Engineering

## Community

Jazz.net – Jazz project venue for open commercial development of Jazz platform and Jazz-based products and an extension of the world wide Eclipse ecosystem



## Vision

A vision for the value and experience that future Rational products can bring to software and systems delivery teams

**Rational.**





# How is the Thinking Behind Jazz Different?

## Desktop Integration → Lifecycle Integration

Eclipse established a desktop client integration model for individuals, Jazz will establish a similar integration model across the lifecycle of software projects

## Function First → Team First

Jazz will challenge us to think first about how people work together and then about the tool function needed by individual practitioners for specific roles

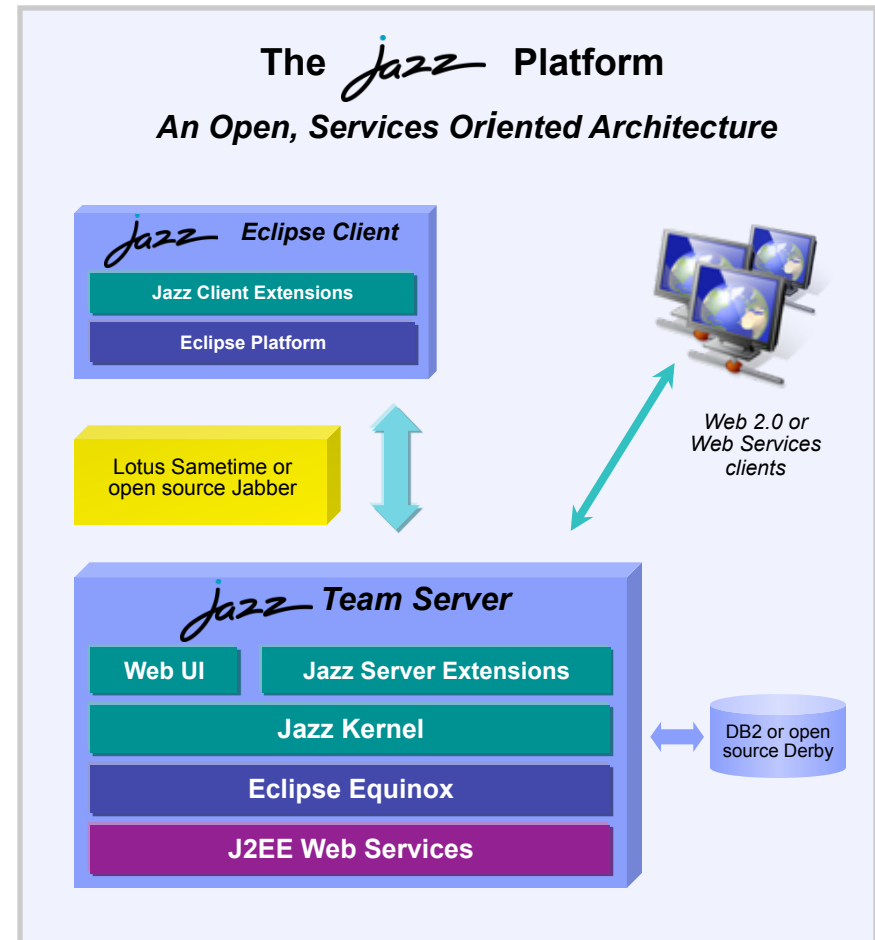


## Manual → Process Aware & Transparent

Focuses on automating the unique dynamic of a team enhancing productivity by enabling real-time collaboration, visibility and transparency across the team, and process enactment

# The value of the *jazz* technology?

- Enables teams to **collaborate in real time** in the context of the work they are doing
- Provides visibility into accurate **real-time project health information** drawn directly from actual work across the team
- Automates traceability and auditability by **managing artifacts and their inter-relationships** across the lifecycle
- Enables custom **process enactment** via process automation & definable checkpoints
- Provides an **extensible technology platform** for building products & adapters



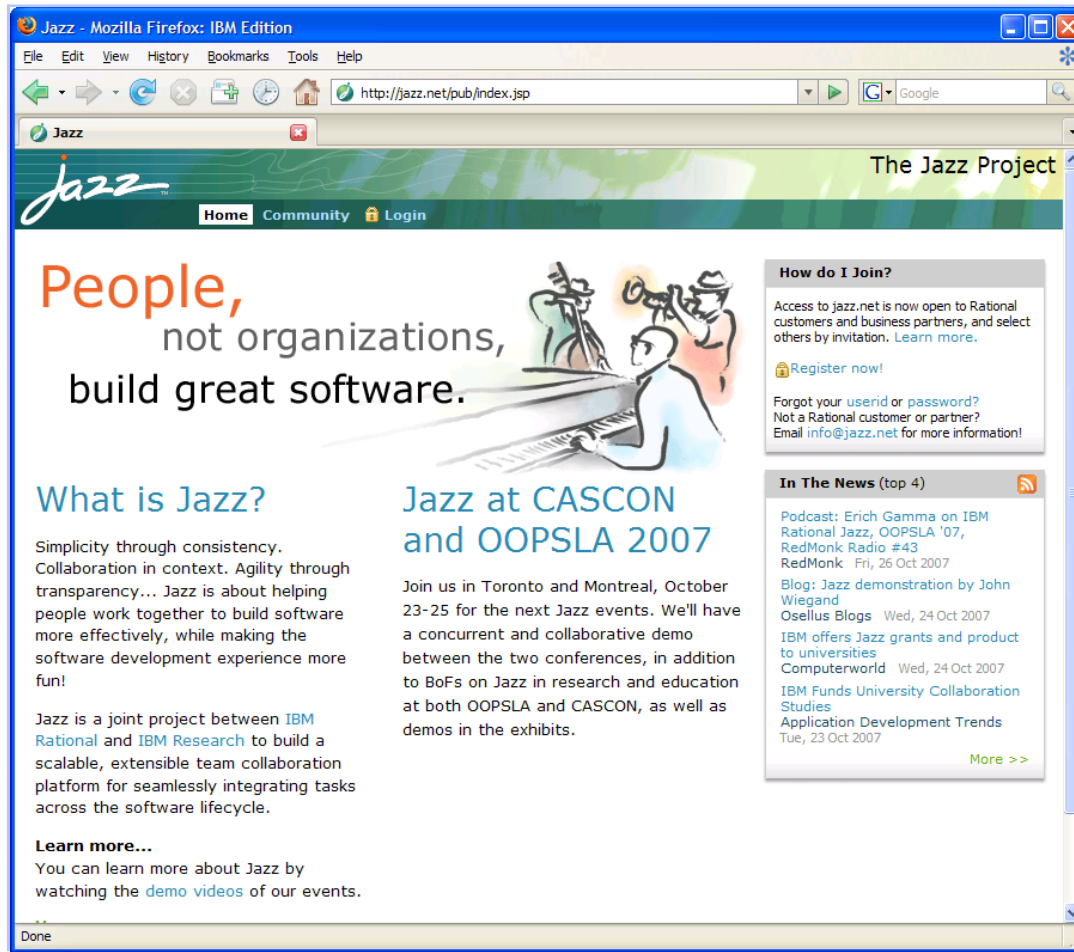
## Delivering greater openness & customer participation in the products they depend on for software delivery

- IBM is opening up the Rational Software Delivery Platform for greater ease of consumption, extensibility and integration to meet the unique usage needs of our customers
- IBM is providing transparent, collaborative customer participation in the development of new Rational technologies through an open commercial community





# Rational Team Concert (Powered by *jazz*)



## ■ Jazz.net Community

- ▶ Open Commercial development
- ▶ Customers can view the progress of the project
- ▶ Engage with developers/support via forums
- ▶ Will be open to evaluating customers
- ▶ Customers who pay for commercially available products (such as RTC) also get telephone support

# Jazz Project 0.6 Iteration Plan and Build Health - From Jazz.net

Jazz - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

https://jazz.net/jazz/web/projects/Jazz%20Project?action=com.ibm

Jazz

You are logged in as Mats Gothe

The Jazz Project

Home | Work Items | **Iteration Plans** | Reports

Current Query: Custom  
Showing 1 to 10 of 17 items

Name	Team Area	Interval	Start	End	Progress
APT 0.6 Planning	Agile Planning	0.6	Feb 26, 2007	Feb 22, 2008	-5 / 10
Admin Web UI	Web UI	0.6	Feb 26, 2007	Feb 22, 2008	-4 / 6
Build 0.6 Overall Plan	Build	0.6	Feb 26, 2007	Feb 22, 2008	+0 / 0
CC Connector 1.0	Interop SCM	0.6	Feb 26, 2007	Feb 22, 2008	+0 / 0
CQ Connector	Interop	0.6	Feb 26, 2007	Feb 22, 2008	+0 / 0
Foundation & Work Items	Work Item	0.6	Feb 26, 2007	Feb 22, 2008	-20 / 40
Jazz REST Services Incubator Plan	JRS	0.6	Feb 26, 2007	Feb 22, 2008	-8 / 41
PMC	Jazz	0.6	Feb 26, 2007	Feb 22, 2008	-24 / 39
Process	Process	0.6	Feb 26, 2007	Feb 22, 2008	-18 / 29
Reports	Reports	0.6	Feb 26, 2007	Feb 22, 2008	-9 / 15

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Jazz - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

https://jazz.net/jazz/web/projects/Jazz%20Project?action=com.ibm

Jazz | Iteration Plans

You are logged in as Mats Gothe

The Jazz Project

Home | Work Items | **Iteration Plans** | Reports

Build Health

Parameters

Save to My Reports

Build Health for continuous.buildsystem.jazz

Last 10 Builds

How clean are the builds?

Latest Build is Clean (Oct 4, 2007 8:53:58 PM)

90% of builds (9 of 10) were clean in this interval

The build was clean during 97% of this time

Percent Clean

Build

Percent Clean

Clean Build Range

Failed Build Range

# Introducing IBM Rational Team Concert

*The first Rational offering powered by ... jazz*

- A **real-time collaborative environment** improving software delivery team innovation & productivity
- A flexible, low administrative, and low footprint **application lifecycle management offering optimized for Agile development** teams in small, midsize & large businesses
- A **middleware foundation** based on a services oriented architecture (SOA) providing flexible lifecycle service integration & adaptive process enactment in the IBM Rational Software Delivery platform
- Optionally **complements Rational ClearCase & ClearQuest**



## Which Customers does RTC address?

- Small and medium business: Ideally, Java centric development teams with an affinity for Eclipse based development.
- Small teams in large enterprises who want an agile development process.
- Bringing the Jazz technology to the ClearCase and ClearQuest Customers
- Create innovation and thought leadership for Rational Customers

# Rational Team Concert (Powered by *jazz*)

Team Central  
RSS  
Chats and Discussions

Agile SCM and Build

Work Items

Iteration Planning  
and Execution

Process Automation &  
Guidance

Team Advisor

The screenshot displays the Rational Team Concert (Jazz) web interface. The main view is the 'Task 18463' detail page, which includes a summary, details, description, and discussion sections. The details section shows the task type as 'Task', severity as 'Normal', and it was created on Feb 21, 2007, by André Weinand. The description discusses making workflow state IDs globally unique. The discussion section shows two comments from Jean-Michel Lemieux and André Weinand.

At the bottom of the interface, there is a 'Work Items' table with the following data:

ID	Status	P	S	Summary	Owned by
18463	Resolved			Please make workflow stateids globally unique	Jean-Michel Lemieux
18460	Verified			Remove vertical dividers from global navigation	Josh Staiger
18119	Resolved			History in Add Subscriber dialog should appear when ...	Marcel Bühr
17972	Verified			adopt new search icon	Bill Higgins
17894	Verified			Owner attribute should depend on both Category and ...	Bill Higgins
17848	Resolved			Build notes enhancements	Christof Marti
17846	Resolved			Improve Contributor hover	André Weinand

# Rational Team Concert (Powered by *jazz*)

The screenshot displays the IBM Rational Team Concert web application. The main content area shows the details for 'Task 23596', which has a summary of 'Deliver updated icons from artwork request 3106'. The task is currently 'Resolved' and 'Fixed'. The interface includes a left sidebar with navigation links like 'New Work Item', 'New Query', and 'Recently Viewed'. The right sidebar shows a list of recent tasks with columns for 'Priority', 'Severity', and 'Modified'. A blue arrow points from the 'WebUI for Work Items' label to the task details section.

**Task 23596**  
 Summary: Deliver updated icons from artwork request 3106  
 Status: Resolved, Fixed  
 Type: Task  
 Severity: Normal  
 Version: Unassigned  
 Created: May 21, 2007  
 Created By: James Stuckey  
 Project Area: Jazz Project  
 Category: Process  
 Tags: artwork  
 Owned By: Darin Swanson  
 Priority: Medium  
 Target: 0.6 M1  
 Estimate: days  
 Due:   
 Summary: Changes (3), Children (6), 18339 18340 18971 19134 19535 20212

**Recent Tasks List:**

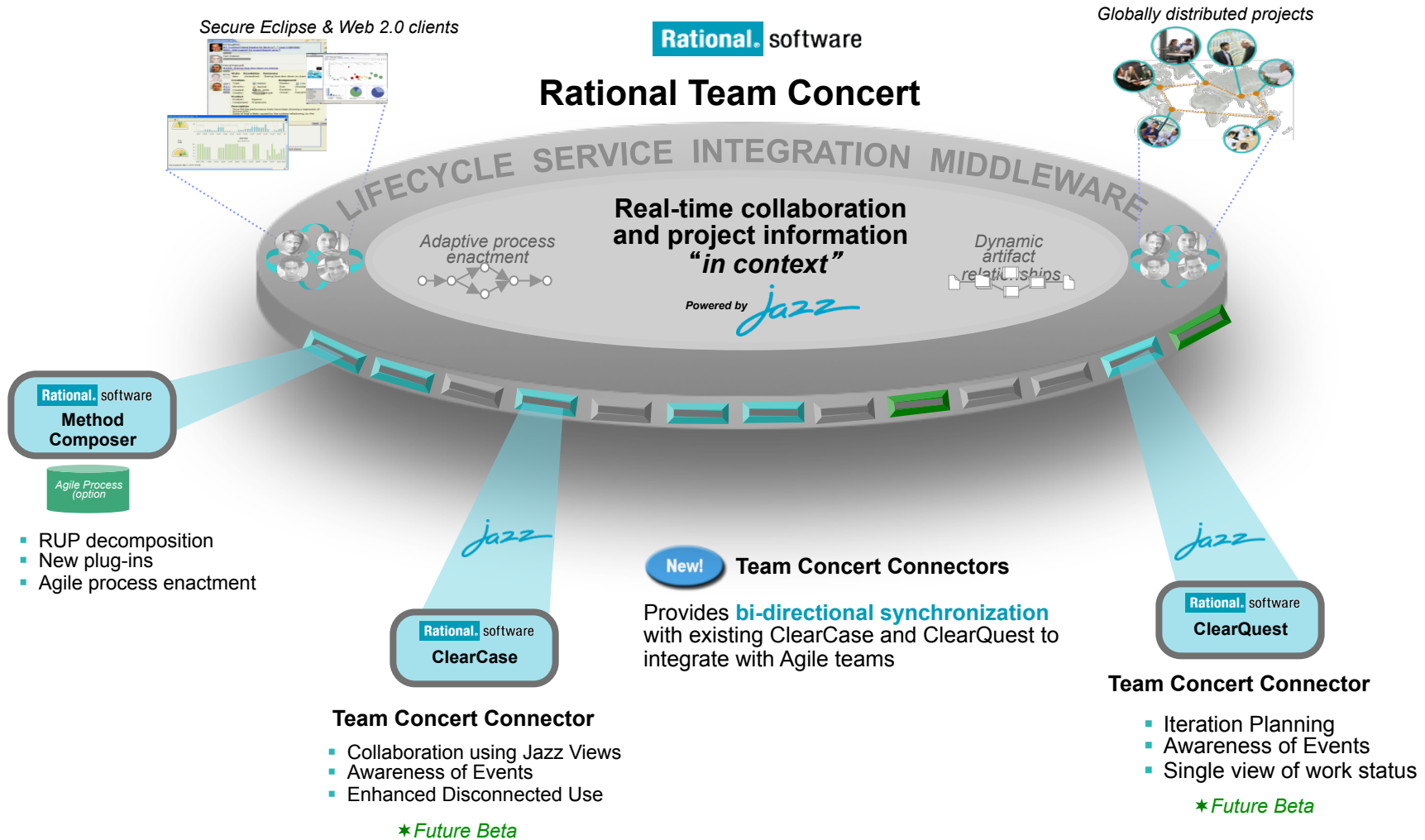
Priority	Severity	Modified
High	High	44 minutes ago
High	High	2 hours ago
High	High	1 hour ago
High	High	3 hours ago
High	High	2 hours ago
High	High	4 hours ago
High	High	Yesterday
High	High	8 hours ago
High	High	Yesterday
High	High	Yesterday
High	High	4 hours ago
High	High	3 days ago
High	High	3 days ago
High	High	1 hour ago
High	High	2 days ago
High	High	3 days ago
High	High	3 days ago
High	High	4 hours ago
High	High	4 hours ago

Enactment

WebUI for Work Items



# Adding value to Rational ClearCase & ClearQuest



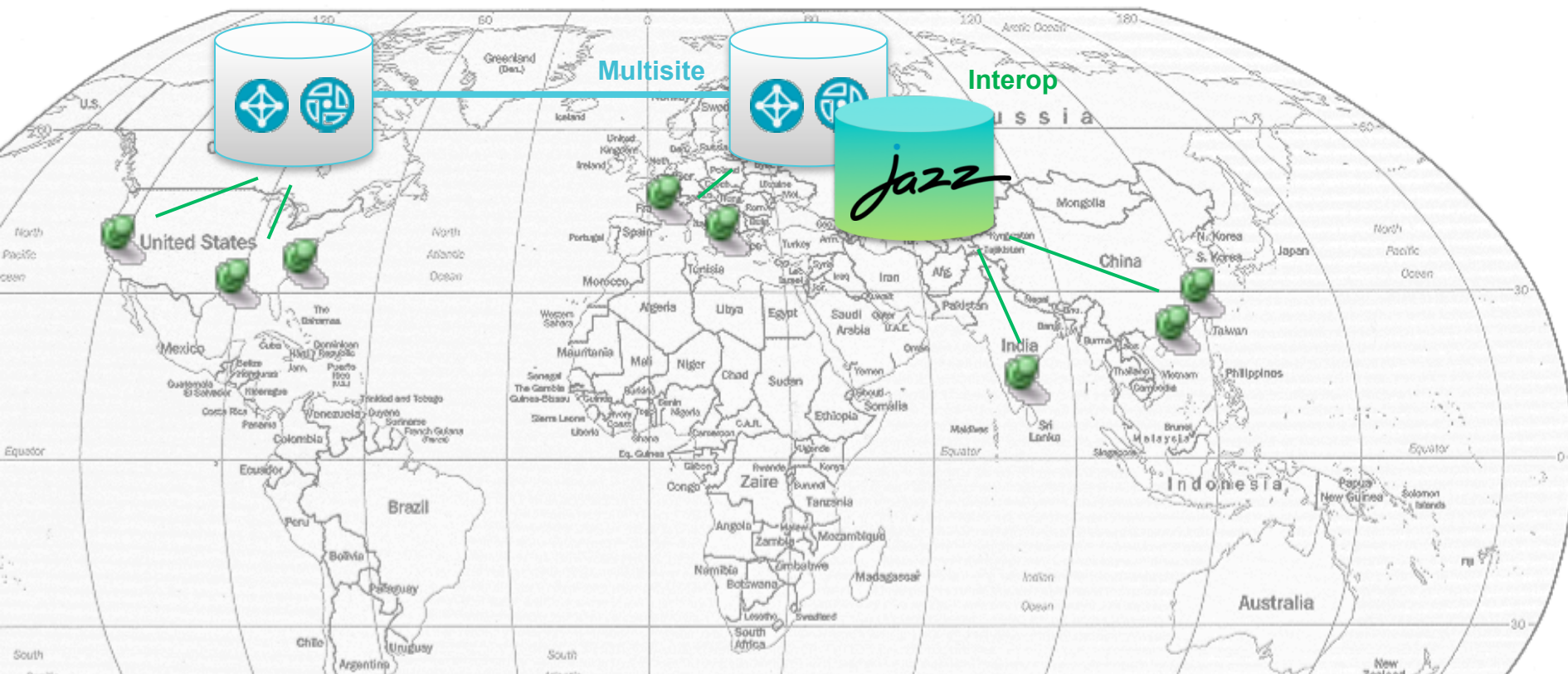
# Base RTC Deployment Scenario

- Central team server
- Distributed team WAN access



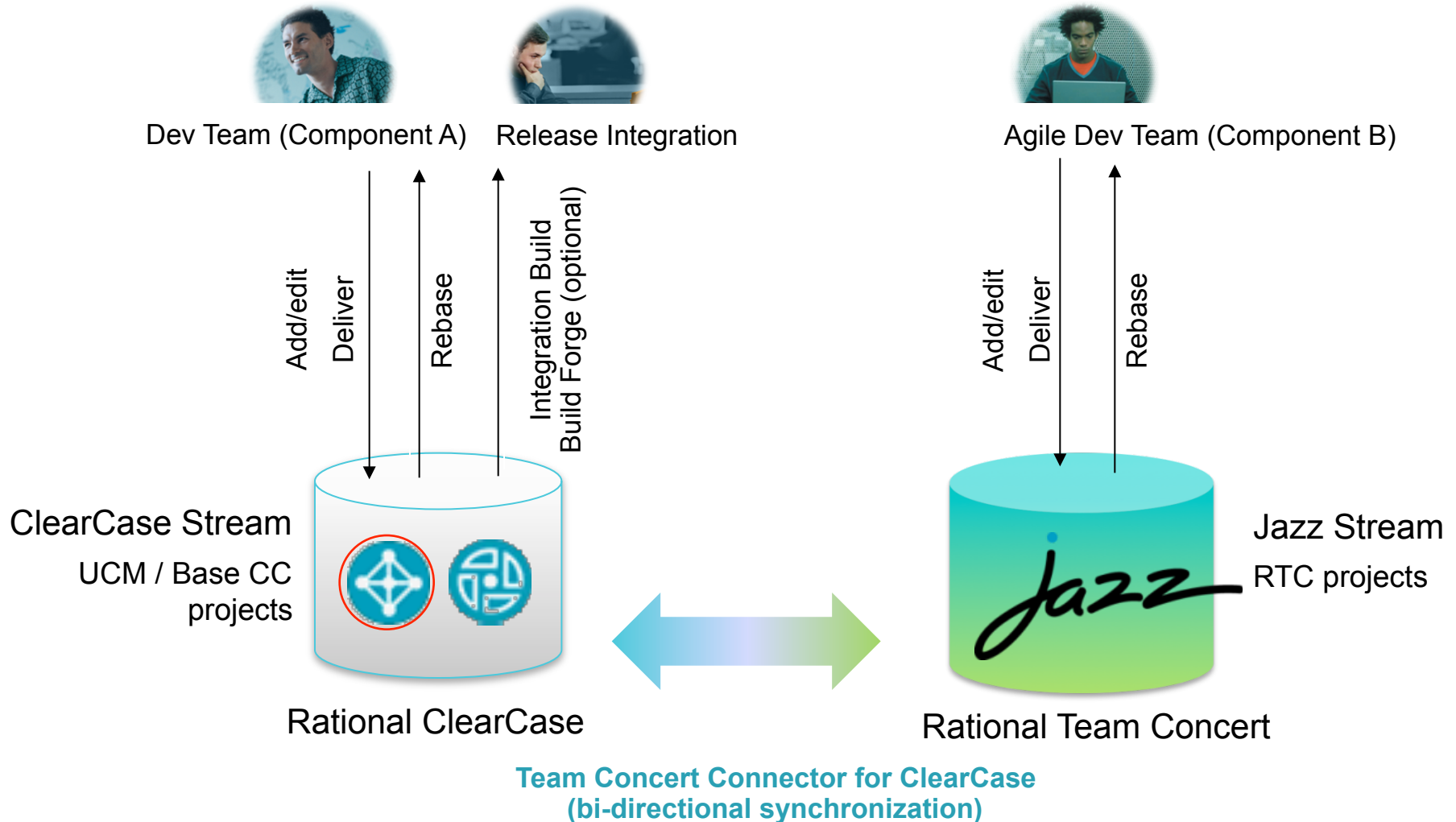
# RTC Interoperability Scenario

- Global Enterprise Delivery Chain
- Interoperability to integrate Agile or Distributed teams



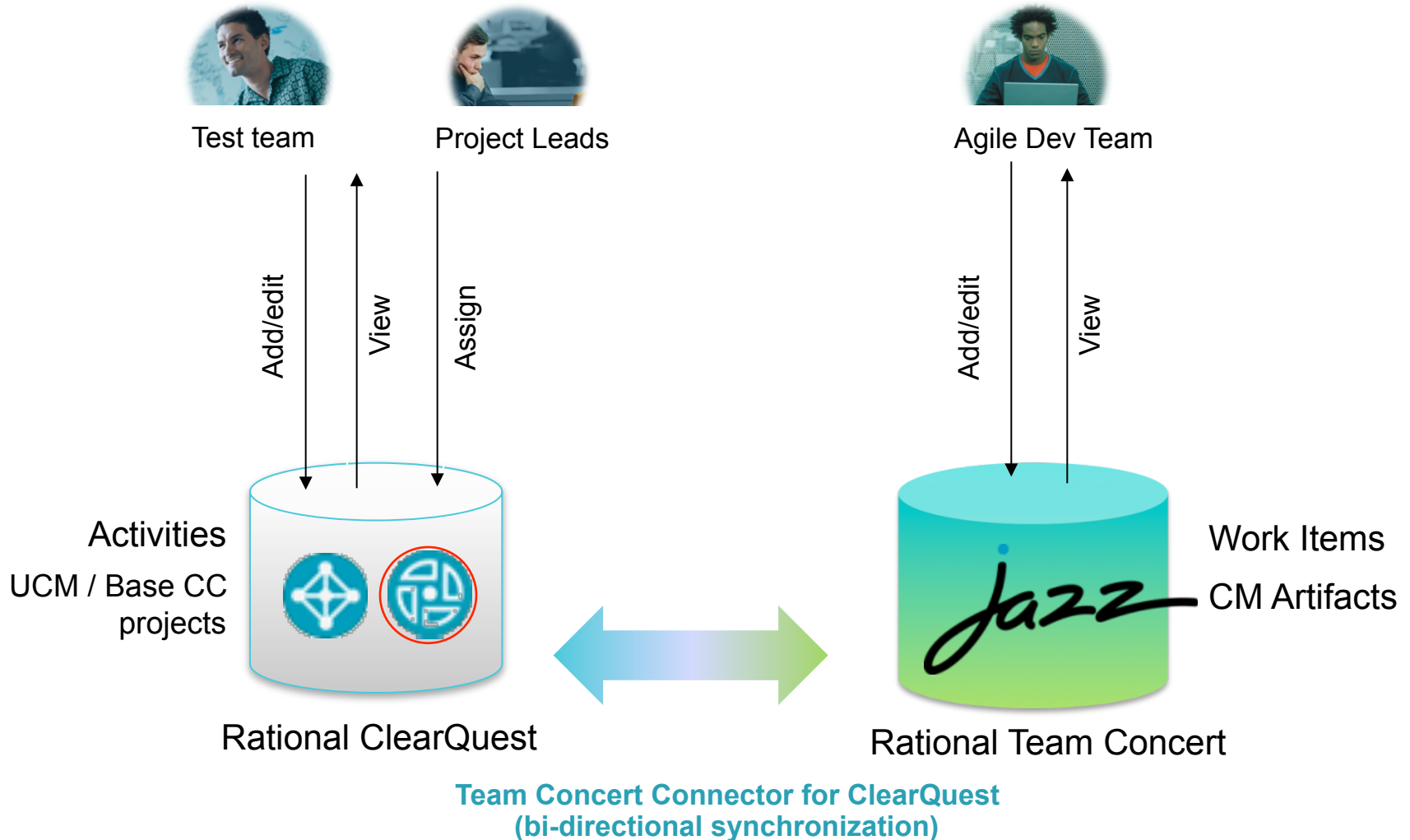
# Team Concert Connector for ClearCase

*Release integration in CC with mixed CC and Agile dev teams*



# Team Concert Connector for ClearQuest

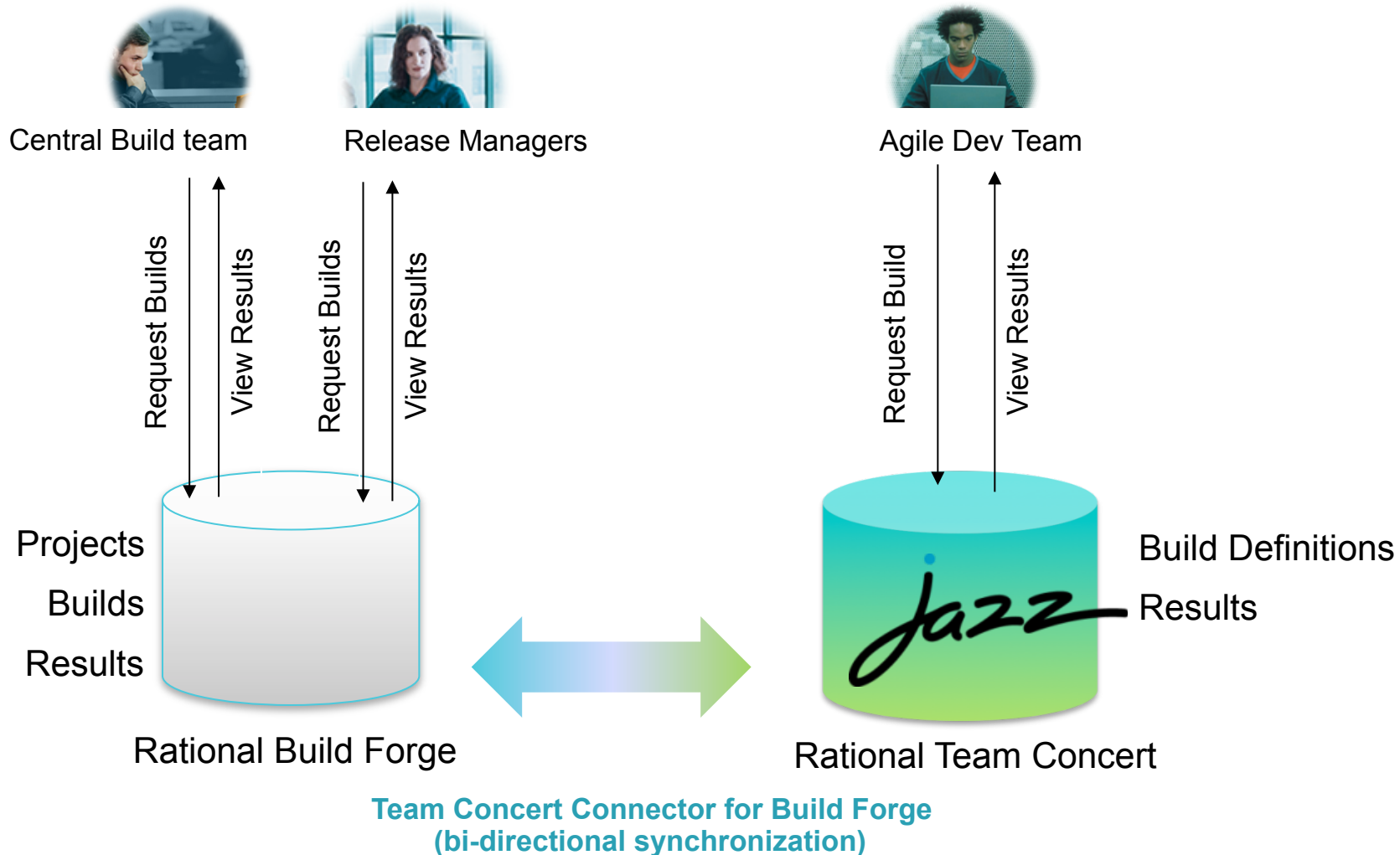
## *Central test team and Agile dev team scenario*





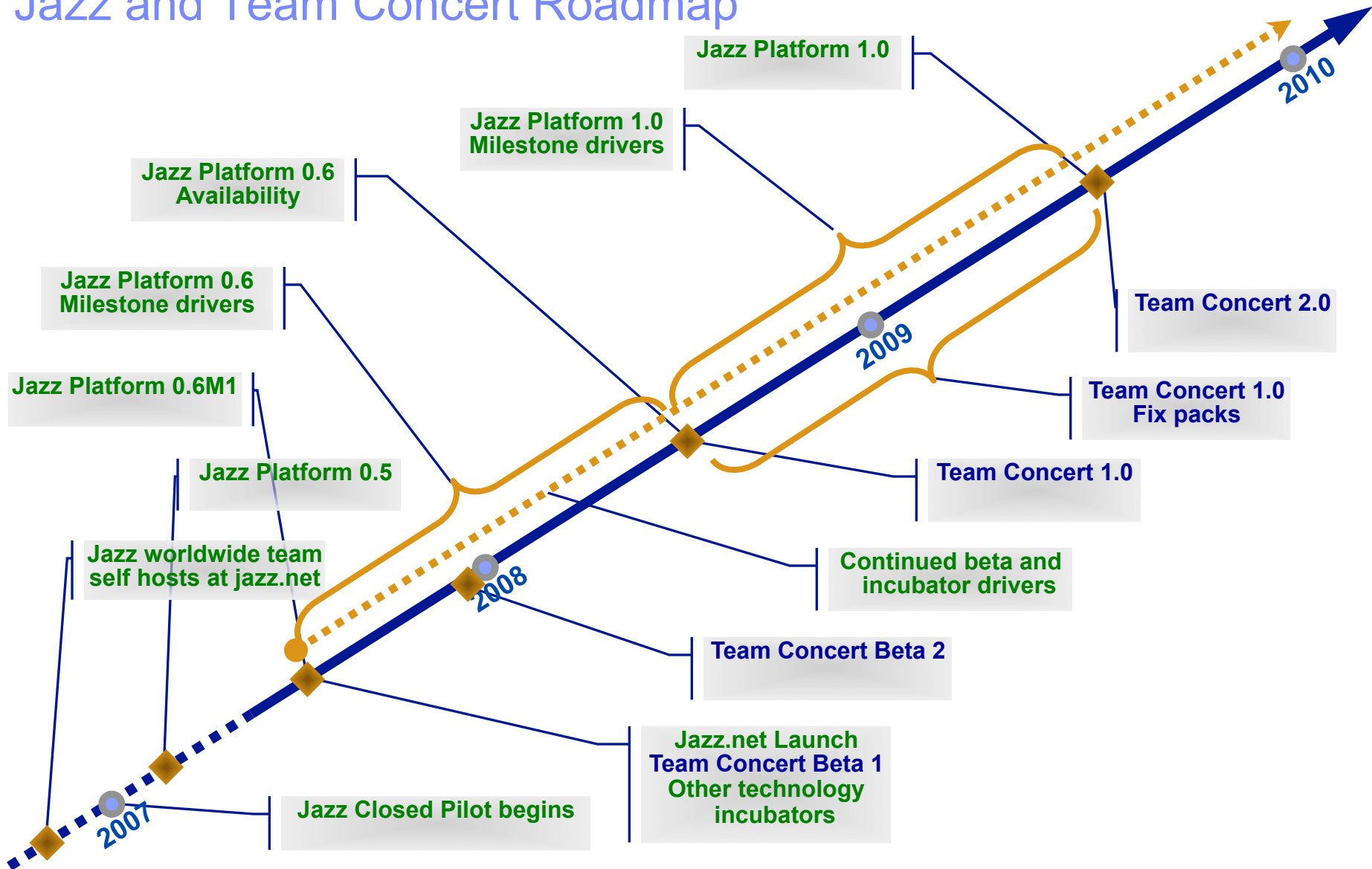
# Team Concert Connector for Build Forge

## *Central release/build team and Agile dev team scenario*





# Jazz and Team Concert Roadmap





# Demo

# Temperature Conversion – Team and Project

## Our team



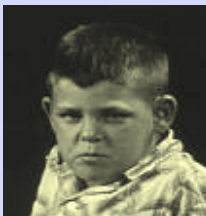
**Jerry Jazz**

- Team lead
- Temperature conversion guru



**April Blues**

- Developer
- Owns the user interface



**Zach Builder**

- Developer
- Owns the build

## Our project

- Conversion between multiple temperature scales
- Initially, Celsius and Fahrenheit conversions

## Our project plan

- Release 1
  - ▶ Milestone 1 (1.0 M1)
  - ▶ Milestone 2 (1.0 M2)

# Scenario – Temperature Conversion Iteration 1.0M1

- As the team puts the final touches on Milestone 1 we'll take a quick glimpse at how the team uses a few aspects of RTC Beta 1 for:
  - ▶ Agile Planning
  - ▶ Work Items
  - ▶ Software Configuration Management
  - ▶ Process Enablement
  - ▶ Build Management





# Questions

# Thank YOU

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